MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE

DOMINION OF CANADA

AUGUST 1931

TEMPERATURE

Temperatures averaged somewhat above the normal August temperature over the greater part of the Dominion.

In British Columbia the temperature averaged normal or slightly lower on Vancouver Island, the northern coast and in the upper Fraser valley. In the far northeastern interior and in the most southerly districts the normal temperature was exceeded by two degrees.

In Alberta the excess over normal temperature was generally less than two degrees, except in the south-central districts where it amounted to four or five degrees.

In Saskatchewan there was an excess of three to five degrees in the "Park Belt" while in the south-western districts there were local deficiencies.

In Manitoba the excess was three or four degrees in the south but five to seven degrees in the far north.

In Ontario, north and west of Lake Superior, the excess was three to five degrees. Along the Georgian Bay, and near Lakes Erie and St. Clair, the excess was two or three degrees but generally in the inland counties the excess was only one degree or less with local deficiencies.

In Quebec there were excesses of two degrees or more in the Lake St. John and Saguenay region, but elsewhere temperatures averaged nearly normal or a little below normal.

In the Atlantic Provinces there was an excess of about two or three degrees in western Nova Scotia, and on the north shore of the Bay of Fundy. Elsewhere in these provinces temperatures were either normal or slightly below normal.

In the northern Yukon and the lower Mackenzie valley temperatures were two to six degrees colder than normal.

Across the northern territories from Coppermine to Baffinland there was an excess of three or four degrees except at the eastern end of Hudson Strait where temperatures were normal.

PRECIPITATION

Rainfall was generally less than the normal amount in British Columbia. In some parts of the East Kootenay no rain fell during August while generally in the southern interior the rainfall ranged from ten to thirty per cent. of the normal amount. On southern Vancouver Island and in the lower Fraser valley from twenty-five to thirty-five per cent. of the normal amount was recorded. In the upper Fraser valley from fifty to sixty per cent., and on the north coast ninety per cent. was recorded.

In Alberta in the northern regions, including the valleys of the Peace, Athabasca, Pembina, North Saskatchewan, and upper Red Deer rivers, rainfall ranged from sixty-five to two hundred and eighty per cent. of the normal amount, and was generally well in excess of normal in the northern cultivated regions. In the southern regions from Calgary and Strathmore south to the border the month was very dry with less than twenty per cent. of the normal rainfall. In the vicinity of Medicine Hat, however, there was an excess of forty per cent.

In Saskatchewan along the border from Maple Creek to Manitoba, and north to Moosejaw, thence northeasterly to Yorkton, there was an excess of twenty to one hundred per cent. of the normal amount. A similar excess was reported from Battleford west to Lloydminster. Immediately west of Saskatoon some central districts of the wheat belt had less than forty per cent. of the normal rainfall.

In Manitoba there was an excess of thirty to fifty per cent. of the normal in most districts. At a few points more than twice the normal rainfall occurred. In the immediate vicinity of Lake Dauphin and from Winnipeg east to the Lake of the Woods, there were deficiencies of twenty to thirty per cent.

In Ontario, except in a few localities, rainfall was deficient. The driest region was the Ottawa valley and part of the adjacent district to the south, where from fifteen to fifty per cent. of the normal rainfall was measured. Generally in the Lower Lake region the deficiency was about thirty per cent. and in the Upper Lake region fifteen per cent. In the Abitibi and Temiskaming region the deficiency was about fifty per cent.

In Quebec rainfall ranged from fifteen to one hundred and twenty-five per cent. of the normal amount but was about sixty per cent in most districts.

In northern New Brunswick from fifty to eighty-five per cent. of the normal amount was recorded while in southern New Brunswick there was a moderate excess on the shore of the Bay of Fundy. In the Annapolis valley of Nova Scotia there was also a small excess while in Cape Breton rainfall was seventy-five per cent. in excess. Elsewhere in Nova Scotia there was a small deficiency.

In Prince Edward Island there was a moderate excess at some points.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	84°	50°	0.2	350	White Rock	92°	48°	0.2		Cranbrook	93°	32°	0.0	
Sooke	87°	42°	0.4		Chilliwack	93°	42°	0.1		Invermere	89°	36°	0.3	283
Shawnigan Lake	91°	44°	0.1		Agassiz	95°	43°	0.1	259	Field	84°	35°	1.5	
Duncan	93°	44°	0.4		Salmon Arm	96°	43°	0.4	259	Glacier	85°	33°	0.9	
Port Alberni	95°	46°	0.9		Summerland	94°	48°	0.4	304	Kamloops	96°	48°	0.7	344
Nanaimo	88°	49°	0.3	328	Penticton	97°	40°	0.2		Prince George	90°	32°	1.1	
Vancouver	84°	49°	0.6	348	Vernon	94°	44°	0.6		Prince Rupert	70°	48°	5.7	
New Westminster	96°	50°	0.3		Kaslo	87°	42°	0.1						

ALBERTA

STATION	H	L	P	I	STATION	H	L	P	I
Peace River					*Southern*				
Beaver Lodge (Grande Prairie)	90°	34°	1.7	246	Calgary	77°	46°	0.5	270
Grouard	84°	33°	1.1		Medicine Hat	97°	36°	2.1	299
Kinuso	84°	36°	3.5		Macleod	96°	39°	0.4	
Slave Lake	85°	35°	2.2		Alsask	95°	38°	0.2	
High Prairie	85°	33°	1.1		Jenner	102°	40°	0.6	
Wembley			1.6		Cowley			0.3	
Berwyn	90°	28°	1.5		Winnifred			0.2	
Roycroft	90°	31°	0.9		Seven Persons			0.0	
Northern					Craigmyle			2.5	
Edmonton	82°	38°	4.2	282	Claresholm	95°	36°	0.1	
Hanna	91°	35°	0.8		Strathmore	89°	38°	0.2	
Vermilion	84°	37°	7.5		Pincher Creek	89°	37°	0.4	
Wetaskiwin	84°	34°	4.2		Cardston	90°	39°	0.4	
Wabamun			5.3		Three Hills	87°	35°	2.8	
Lougheed			5.6		Okotoks	90°	37°	1.5	
Viking	84°	38°	6.1		Springdale	78°	31°	3.2	
Athabasca	81°	37°	3.2		Raymond	97°	38°	0.1	
Coronation	90°	37°	2.8		Pekisko	87°	39°	0.6	
Pemukan			1.2		Harmattan	84°	30°	2.4	
Rumsey	89°	33°	1.5						
Hillsdown	82°	38°	1.5		*Mountain Valleys*				
Ranfurly	83°	38°	6.4		Lake Louise	82°	25°	1.6	
Ponoka			3.6		Entrance	84°	30°	2.4	
					Rocky Mountain House	74°		2.3	
					Exshaw	87°	36°	1.9	
					Coleman			0.1	
					Beaver Mines			0.3	
					Anthracite	87°	33°	1.8	

SASKATCHEWAN

Northern and Eastern					*Southern and Central*				
Battleford	99°	38°	1.8		Swift Current	98°	40°	2.2	267
Prince Albert	92°	40°	1.4		Moose Jaw	93°	38°	3.1	264
Waseca	89°	40°	3.3		Qu'Appelle	92°	35°	2.5	277
Scott	93°	38°	0.8	256	Rosetown	100°	36°	1.1	
Carlyle	93°	37°	4.7		Francis	95°	35°	2.5	
Whitewood	93°	39°	2.8		Gravelbourg	94°	33°	1.6	
Saskatoon	96°	40°	0.5		Assiniboia	95°	39°	1.4	
Muenster	90°	34°	1.1		Cadillac	96°	37°	1.3	
					Dundurn	96°	35°	0.7	
					Grenfell	95°	37°	3.9	

MANITOBA

Le Pas	83°	39°	2.9	220	Sprague	92°	27°	2.9	
Minnedosa	98°	36°	3.0		Pinawa	88°	30°	1.9	
Winnipeg	100°	36°	2.0	270	Portage la Prairie	98°	39°	3.6	
Birtle	98°	34°	2.1		Emerson	100°	32°	2.7	
Morden	100°	36°	1.2		Ninette	97°	36°	3.3	
Morden (Experimental Farm)	102°	36°	2.0	228	Treherne	99°	36°	4.0	
Virden	98°	39°	3.9		Treesbank (St. Albans)	102°	35°	3.5	
Dauphin	96°	37°	1.6		Morris	101°	40°	2.7	
Russell	96°	30°	5.4		Brandon	98°	35°	2.4	282
Pierson	96°	42°	2.5		Cypress River	99°	36°	3.7	
Great Falls	93°	31°			Indian Bay	89°	32°	4.5	

ONTARIO

STATION	H	L	P	I
Atikokan	90°	31°	2.9	
Mine Centre	90°	37°	3.6	
Ignace	90°	34°	4.4	
Kenora	89°	39°	2.3	
Sioux Lookout	87°	41°	2.9	
Port Arthur	94°	38°	1.5	
Quorn	88°	34°	1.8	
White River	90°	27°	2.9	
Schreiber	77°	34°	2.9	
Blind River	84°	46°	1.4	
Chapleau	96°	32°	1.9	
Ruel	99°	47°	1.4	
Cochrane	97°	37°	1.5	
Haileybury	92°	38°	1.3	
Heaslip	94°	32°	1.4	
Kapuskasing	95°	39°	1.3	227
Algonquin Park	93°	40°	1.2	
Madawaska	95°	26°	0.7	
Montreal River	93°	33°	1.8	
Crystal Falls	87°	32°	2.5	
Providence Bay	93°	35°	1.1	
Parry Sound	88°	46°	1.7	
Scotia Junction	88°	35°	2.0	
Walker's Point	90°	41°	1.6	227
Beatrice	89°	39°	1.2	
Barrie	89°	43°	3.1	
Walkerton	95°	37°	2.7	
Mount Forest	93°	35°	1.8	
Brucefield	90°	38°	1.0	
Stratford	94°	42°	3.5	
London	96°	40°	2.6	
Woodstock	90°	41°	2.1	228
Paris	98°	42°	2.7	
Alton	95°	35°	3.3	
Harrow	96°	45°	1.4	259
Simcoe	93°	48°	2.6	
Toronto	92°	46°	2.1	244
Beeton	97°		3.1	
Bloomfield	95°	39°	1.3	
Queensboro'	93°	40°	0.8	
Peterboro'	94°	43°	1.4	
Kingston	88°	52°	1.2	258
Brockville	88°	46°	0.8	
Morrisburg	91°	39°	0.9	
Ottawa	99°	50°	0.6	
Ottawa (Exp.Farm)	95°	43°	0.4	246
Renfrew	90°	44°	1.3	
Pembroke	92°	40°	0.5	
Clontarf	96°	36°	1.7	

QUEBEC

STATION	H	L	P	I
Cedars	88°	46°	1.2	
Macdonald College	89°	49°	1.5	
Montréal	90°	53°	1.8	231
Farnham	89°	42°	0.3	232
Brome	87°	38°	1.3	
Nicolet	88°	41°	1.7	
Sorel	93°	41°	1.7	
Lennoxville	90°	35°	1.5	228
Sherbrooke	94°	40°	1.3	249
Drummondville	89°	44°	1.1	
Beauceville	87°	36°	2.0	
Lake Mégantic	80°	40°	2.8	
Cap Rouge	84°	43°	1.7	239
Québec	84°	46°	2.3	226
St. Joachim	83°	41°	4.1	
Armagh	84°	40°	2.3	
Seven Falls	83°	33°	4.5	
Ste. Anne de la Pocatiére	84°	45°	2.5	251
La Malbaie	87°	41°	1.9	
Chicoutimi	86°	44°	2.3	
Roberval	86°	46°	1.3	
Albanel	81°	37°	2.3	245
Manouan	81°	34°	1.3	
Lake Kempt	82°	30°	1.4	
La Tuque	86°	37°	2.8	
Chute à Murdock	88°	39°	2.1	
Kenogami	87°	38°	2.5	
La Loutre Rapids	81°	38°	1.9	
Joliette	91°	39°	1.2	
Huberdeau	91°	40°	0.7	
St. Lin des Laurentides	92°	38°	0.4	
Maniwaki	88°	40°	0.7	
St. Gabriel de Brandon	75°	35°	2.1	
Abitibi	93°	40°	1.4	
La Ferme	85°	31°	1.4	215
Ville Marie	92°	38°	2.3	
Sanmaur	82°	32°	3.0	

ATLANTIC PROVINCES

STATION	H	L	P	I
Saint John	79°	49°	4.0	237
Aroostook	89°	43°	2.3	
Bathurst	84°	42°	3.1	
Edmundston	82°	40°	2.1	
Fredericton	87°	41°	3.3	241
Fredericton (Experimental Farm)	87°	41°	2.6	239
Gagetown	88°	45°	2.5	
Grand Falls	81°	38°	1.7	
Harvey	85°	45°	1.5	
Moncton	84°	42°	5.0	
McAdam	87°	41°	4.2	
Rexton	86°	43°	3.8	
Sussex	84°	44°	3.4	
Woodstock	90°	38°	2.1	
Digby	81°	44°	4.1	
Kentville	87°	44°	3.5	264
Liverpool	87°	46°	3.3	
Nappan	83°	40°	3.2	224
Sydney	85°	46°	6.5	
Truro	85°	39°	3.1	
Upper Stewiacke	86°	36°	3.4	
Wolfville	85°	46°	3.4	268
Yarmouth	79°	48°	3.6	
Charlottetown	81°	51°	2.8	228
Charlottetown (Experimental Farm)	81°	44°	3.8	225

Lake Michigan
Superior
Hudson Bay
Fort Nelson
Great Whale River
Rupert River
Trout Lake
Moose Fort
Hope
Lookout
White River
Hailerbury
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Madison
Milwaukee
Grand Haven
Grand Rapids
Detroit
Chicago
Toledo
Cleveland
Erie
La Salle
Ft. Wayne
Buffalo
Rochester
Syracuse
Albany
Oswego
Kingston
Ottawa
Montreal
Canton
Cornwall
Northfield
Brattleboro
Concord
Boston
Nantucket
New Haven
Block I.
Binghampton
Scranton
New York
Pittsburg
Harrisburg
Philadelphia
Eastport
Yarmouth
St. Johns
Belleisle
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°
+2°
64 1·5
58 2·9
60 1·5
62 1·3
63 2·0
64 2·0
68 1·7
66 2·0
65 1·8
69 2·1
69 2·6
60 0·5
68 1·2
67 0·6
68 1·8
54 2·3
58 3·0
64 2·3
62 2·1
66 2·3
58 1·9
56 1·6
53 2·0
49
57 0·7
58 2·3
59 1·1
58 0·9
60 7·0
64 6·5
64 3·4
65 5·0
65 3·8
64 4·0
66 4·6
65 3·2
63 3·6

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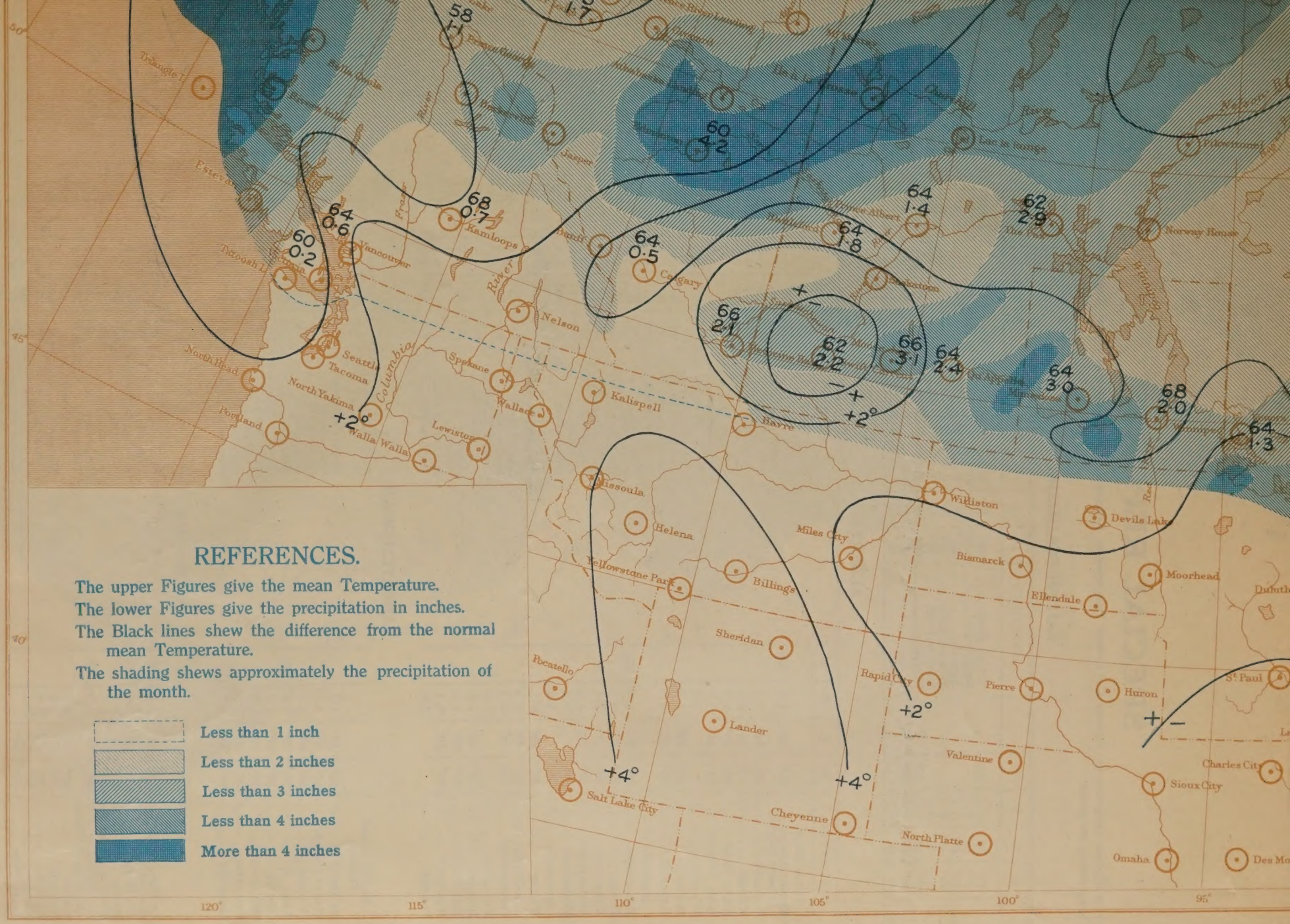
R MAP
T, 1931
from normal mean temperature; also total precipitation
month.
Ellesmere Island
Pond Inlet
Godhaven
Angmagsalik
Godthaab
Julianehaab
Pangnirtung
Resolution
Fort Burwell
Hopes Advance
Wakeham
Fort Chimo
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
60°
55°
+4°
+2°
-2°
+6°
48
45
49
41
50
0·3
45
1·3
45
0·6
41
0·8
+/-



REFERENCES.

The upper Figures give the mean Temperature.

The lower Figures give the precipitation in inches.

The Black lines shew the difference from the normal mean Temperature.

The shading shews approximately the precipitation of the month.

- Less than 1 inch
- Less than 2 inches
- Less than 3 inches
- Less than 4 inches
- More than 4 inches

METEOROLOGICAL SERVI
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Chart shewing the mean temperature and the differenc
of th
-2°
-4°
-6°
+1
+2°
51 2·6
47 1·4
52 2·5
52 0·5
52 1·6
54 6·7
53 0·4
48 1·7
56 1·2
55 10·1
59 1·4
57 1·2
57 5·1
Herschell I.
Fort Yukon
Cambridge Bay
Fort Smith
Good Hope
Simpson
Liard
Hay River
Height of Land
150°
145°
140°
130°
125°
120°
115°
110°
105°
100°
95°
60°
55°